

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	36613	portable adj terminal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 10:39
S2	659	(portable adj terminal) same (IC adj card)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:03
S3	6	(portable adj terminal) same (IC adj card) same (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 10:56
S4	19	(portable adj terminal) and (IC adj card) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:03
S5	80	(portable adj terminal) and (IC adj card) and (stored near2 value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:52
S6	12	(portable adj terminal) same (IC adj card) same (stored near2 value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:25
S7	2	(IC adj card) same (stored near2 value) same (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:37

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S8	12	(IC adj card) and (stored near2 value) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:41
S9	1	(IC adj card) and (outstand\$3 near2 value) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:38
S10	170	(IC adj card) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:41
S11	176	(IC near2 card) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:41
S12	567	(711/115).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:51
S13	657	(713/182).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:51
S14	286	(340/5.2).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:51
S15	270	(340/5.6).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S16	393	(340/5.74).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S17	398	(340/5.8).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S18	2360	(235/375).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S19	3077	(235/380).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S20	1172	(235/382).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S21	565	(235/384).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52

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S22	1267	(portable adj terminal) and (IC adj card)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:59
S23	1	S12 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S24	8	S13 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S25	2	S14 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S26	0	S15 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S27	2	S16 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S28	0	S17 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53

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S29	13	S18 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S30	45	S19 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S31	11	S20 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S32	4	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:54
S33	309	(705/41).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:54
S34	5	S33 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:54
S35	488	(portable adj terminal) and (IC adj card) and (identification)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:16
S36	262	(portable adj terminal) and (IC adj card) and (identification near2 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:01

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S37	27	(portable adj terminal) same (IC adj card) same (identification near2 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:01
S38	1	(portable adj terminal) and (IC adj card) and (outstand\$3 near2 value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:16
S39	524	(portable adj terminal) and (IC adj card) and (value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:17
S40	266	(portable adj terminal) and (IC adj card) and (value) and identification	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:18
S41	147	(portable adj terminal) and (IC adj card) and (value) and (identification near2 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:18
S42	131	(portable adj terminal) and (IC adj card) and (value) and (identification near2 information) and select\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:20
S43	29	S42 and @pd<="20030530"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:20

Interference Searched

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L1	15	((portable adj terminal) same (IC adj card)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:03
L2	1	((portable adj terminal) same (IC adj card) same (ticket)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:03
L3	2	((portable near5 terminal) same (IC near5 card) same (ticket)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:04
L4	1	((portable near5 terminal) same (IC near5 card) same (value)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:04
L5	3	((portable near5 terminal) same (IC near5 card) same (identification)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:04
L6	119	((IC near5 card) same (identification)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:05
L7	103	((IC adj card) same (identification)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:05
L8	1	((IC adj card) same (identification) same ticket).clm.	US-PGPUB	OR	OFF	2007/11/08 17:05

Day : Thursday
Date: 11/8/2007

Time: 17:08:53

PALM INTRANET**Inventor Information for 10/811965**

Inventor Name	City	State/Country
FUKUSHIMA, SHINICHIRO	YOKOHAMA	JAPAN
HASHIMOTO, KAZUNORI	FUJISAWA	JAPAN
AIKAWA, MAKOTO	SAGAMIHARA	JAPAN
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Relevance scale

1 Experience report: Implementation of interactive poster "SuiPo"

Fuminori Tsunoda, Takayuki Matsumoto, Takeshi Nakagawa, Mariko Utsunomiya

 April 2007 **CHI '07 extended abstracts on Human factors in computing systems CHI '07**
Publisher: ACM Press

 Full text available: [pdf\(5.62 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper explains an implementation of new media "SuiPo," or Suica Poster, which uses a combination of IC card ticket "Suica" and Internet accessible mobile phone. Customers can get e-mail information by touching their IC card ticket on the reader located near the poster. Two pilot tests are conducted before the service has begun. The first test revealed that many people preferred the interactive poster but the registration process was complicated. The second test was conducted after improv ...

Keywords: IC card, advertisement, internet, mobile phone, public transportation, smart card, two dimensional bar code

2 Ambient functionality: "UBWALL": ubiquitous wall changes an ordinary wall into the

Minoru Sekiguchi, Hirohisa Naito, Akinobu Ueda, Toru Ozaki, Masao Yamasawa

 October 2005 **Proceedings of the 2005 joint conference on Smart objects and ambient intelligence: innovative context-aware services: usages and technologies sOc-EUSAi '05**
Publisher: ACM Press

 Full text available: [pdf\(145.01 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes how smart ambience improves information services. For information services in a public space, UBWALL is developed named after "ubiquitous wall", which has a large display and eight-series of built-in RFID reader/writer so that people can get individual information appropriately by using IC cards (RFID cards) or mobile terminals. UBWALL is usually installed in a public space for the purpose of advertisements or directory services, where people can see both the public and pers ...

3 Computer security: Delay-based circuit authentication and applications

Blaise Gassend, Dwaine Clarke, Marten van Dijk, Srinivas Devadas

 March 2003 **Proceedings of the 2003 ACM symposium on Applied computing SAC '03**
Publisher: ACM Press

Full text available:  pdf(869.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a technique to reliably identify individual integrated circuits (ICs), based on a prior delay characterization of the IC. We describe a circuit architecture for a key card for which authentication is delay based, rather than based on a digital secret key. We argue that key cards built in this fashion are resistant to many known kinds of attacks. Since the delay of ICs can vary with environmental conditions such as temperature, we develop compensation schemes and show experimentally tha ...

Keywords: physical random function, physical security, smartcard, tamper resistance, unclonability

4 Some experimental results on placement techniques

Maurice Hanan, Peter K. Wolff, Barbara J. Agule

June 1976 **Proceedings of the 13th conference on Design automation DAC '76**

Publisher: ACM Press

Full text available:  pdf(979.95 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Seven placement algorithms - one constructive-initial placement algorithm and six iterative-improvement algorithms - were programmed and run on six problems ranging in size from 60 to 1300 modules. These problems included placing IC packs on a card, cards on a board and circuits on an LSI chip. It was found that the new force-directed pairwise relaxation algorithm was the best algorithm for the larger problems and was competitive with the other algorithms for the smaller problems. Other que ...

5 Test generation systems in Japan

S. Funatsu, N. Wakatsuki, T. Arima

January 1975 **Proceedings of the 12th conference on Design automation DAC '75**

Publisher: IEEE Press

Full text available:  pdf(597.15 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

With the advent of large scale and medium scale integrated circuit, test and diagnosis of digital logic circuits become more and more difficult to get an efficient and economical goal. In this paper, Test Generation Systems for testing digital logic circuits (IC Cards) in Japan are introduced. One implemented in Nippon Electric Co. is described in detail. Future problems of Test Generation Systems are also briefly discussed.

6 Design Method for Constant Power Consumption of Differential Logic Circuits

Kris Tiri, Ingrid Verbauwhede

March 2005 **Proceedings of the conference on Design, Automation and Test in Europe - Volume 1 DATE '05**

Publisher: IEEE Computer Society

Full text available:  pdf(146.44 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Side channel attacks are a major security concern for smart cards and other embedded devices. They analyze the variations on the power consumption to find the secret key of the encryption algorithm implemented within the security IC. To address this issue, logic gates that have a constant power dissipation independent of the input signals, are used in security ICs. This paper presents a design methodology to create fully connected differential pull down networks. Fully connected differential pul ...

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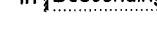
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1. **Proactive higher education for high technology**

Tadmor, Z.;

Spectrum, IEEE

Volume 35, Issue 5, May 1998 Page(s):39 - 42

Digital Object Identifier 10.1109/6.669975

[AbstractPlus](#) | [Full Text: PDF\(824 KB\)](#) IEEE JNL
[Rights and Permissions](#)2. **Evolution of personal multimedia communications services in Japan**

Murase, T.; Ohyama, M.;

Personal Communications, IEEE [see also IEEE Wireless Communications]

Volume 5, Issue 6, Dec. 1998 Page(s):66 - 74

Digital Object Identifier 10.1109/98.736478

[AbstractPlus](#) | [Full Text: PDF\(2300 KB\)](#) IEEE JNL
[Rights and Permissions](#)3. **A wireless data system constructed of SAW-based receiver/transmitter and applications to medical cares**

Matsumura, K.; Fujita, G.; Shirakawa, I.; Inada, H.;

Radio and Wireless Conference, 1998, RAWCON.98, 1998 IEEE

9-12 Aug. 1998 Page(s):47 - 50

Digital Object Identifier 10.1109/RWCON.1998.709133

[AbstractPlus](#) | [Full Text: PDF\(384 KB\)](#) IEEE CNF
[Rights and Permissions](#)4. **Personal mobile satellite communications**

Chambers, P.;

Personal Communications: Circuits, Systems and Technology, IEE Colloquium

22 Jan 1993 Page(s):2/1 - 2/9

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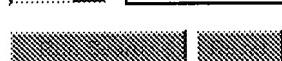
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IEEE CNF IEEE Conference Proceeding

1. **High-speed Processing and High Reliability in a Wired-and-Wireless Integrated Autonomous Decentralized IC Card Ticket System**

IET CNF IET Conference Proceeding

Shiibashi, A.; [Information and Telecommunication Technologies, 2005. APSITT 2005 Proceedings. Pacific Symposium on](#)
09-10 Nov. 2005 Page(s):248 - 253

[AbstractPlus](#) | Full Text: [PDF\(5584 KB\)](#) IEEE CNF
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IEEE STD IEEE Standard

2. **Standardization of Technology for IC Card Ticket System**

Ishida, Yoshio; [E-Commerce Technology and the 4th IEEE International Conference on Enter E-Commerce...and E-Services, 2007. CEC/EEE 2007. The 9th IEEE International](#)
23-26 July 2007 Page(s):5 - 5
Digital Object Identifier 10.1109/CEC-EEE.2007.4285191

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3. **High-speed Processing In Wired-and-Wireless Integrated Autonomous Decentralized IC Card Ticket System and Its Application to IC Card Ticket System**

Shiibashi, A.; Mizoguchi, N.; Mori, K.; [Engineering of Autonomic and Autonomous Systems, 2006. EASe 2006. Proceedings of the Third IEEE International Workshop on](#)
27-30 March 2006 Page(s):19 - 24
Digital Object Identifier 10.1109/EASE.2006.9

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4. **Achievement of High-speed Processing by Autonomous Decentralized Processing Using a Decentralized Algorithm In a Wired-and-Wireless Integrated IC Card Ticket System**

Shiibashi, A.; Xiaodong Lu; Mori, K.; [Software Technologies for Future Embedded and Ubiquitous Systems, 2006 and the Second International Workshop on Collaborative Computing, Integration, and Applications, 2006/WCCIA 2006. The Fourth IEEE Workshop on](#)
27-28 April 2006 Page(s):163 - 174
Digital Object Identifier 10.1109/SEUS-WCCIA.2006.9

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- 5. Autonomous Decentralized Processing and Decentralized Algorithm for Wired-and-Wireless Integrated IC Card Ticket System**
Shiibashi, A.; Mashiba, F.; Mori, K.;
Computers and Communications, 2006, ISCC '06, Proceedings, 11th IEEE Sympo-
26-29 June 2006 Page(s):857 - 862
Digital Object Identifier 10.1109/ISCC.2006.42
[AbstractPlus](#) | Full Text: [PDF\(424 KB\)](#) | IEEE CNF
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6. Research of Reliability Technology In Heterogeneous Autonomous Decentralized Assurance Systems
Shiibashi, Akio; Kuroda, Takashi; Yamana, Motoharu; Mori, Kinji;
Autonomous Decentralized Systems, 2007, ISADS '07, Eighth International Sympo-
21-23 March 2007 Page(s):207 - 214
Digital Object Identifier 10.1109/ISADS.2007.64
[AbstractPlus](#) | Full Text: [PDF\(380 KB\)](#) | IEEE CNF
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7. High-speed Processing by Autonomous Decentralized Architecture and Algorithm In a Wired-and-Wireless Integrated IC Card Ticket System
Shiibashi, A.; Hama, K.; Mori, K.;
E-Commerce Technology, 2006, The 8th IEEE International Conference on an Interna-
Computing, E-Commerce, and E-Services, The 3rd IEEE International Conference on
2006 Page(s):6 - 6
Digital Object Identifier 10.1109/CEC-EEE.2006.53
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8. The evaluation of high reliability in an autonomous decentralized IC card ticket system
Shiibashi, A.; Yajima, T.; Lu Xiaodong; Mori, K.;
Computer Networks, 2006 International Symposium on
16-18 June 2006 Page(s):209 - 213
Digital Object Identifier 10.1109/ISCN.2006.1662535
[AbstractPlus](#) | Full Text: [PDF\(1104 KB\)](#) | IEEE CNF
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9. Multi-layered Data Consistency Technology In Autonomous Decentralized System
Shiibashi, Akio; Maruyama, Yoshitaka; Yamana, Motoharu; Mori, Kinji;
Distributed Computing Systems Workshops, 2007, ICDCSW '07, 27th Internationa-
on
22-29 June 2007 Page(s):58 - 58
Digital Object Identifier 10.1109/ICDCSW.2007.53
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10. High Reliability In Autonomous Decentralized IC Card Ticket System
Shiibashi, A.; Mashiba, F.; Mori, K.;
Distributed Computing Systems Workshops, 2006, ICDCS Workshops 2006, 2nd Inter-
International Conference on
04-07 July 2006 Page(s):2 - 2
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